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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,525	08/22/2003	Luca Massasso	08020.0002	8119
22852 7590 09/07/2007 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			EXAMINER LEE, JINHEE J	
			ART UNIT 2174	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/645,525	Applicant(s) MASSASSO ET AL.	
	Examiner Jinhee J. Lee	Art Unit 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 June 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 and 10-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 8-10 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The basis of this rejection is set forth in a two-prong test of :

- (1) whether the invention is within the technology arts; and
- (2) whether the invention produces a useful, concrete, and tangible result.

Claims 8-10 are directed to a computer implemented method of calculation where the inputs are numbers and the results are also numbers, and/or are directed to a computer program stored in a computer readable storage medium for implementing the method. In order for a claimed invention that is directed to such a computer implemented method of calculation, or a computer program stored in a computer readable storage for implementing a computation to be statutory, the claimed invention must accomplish a practical application. That is the claimed invention must transform an article or physical object to a different state or thing, or produce a useful, concrete and tangible result. *State Street*, 149 F.3d at 1373-74, 47 USPQ2d at 1601-02. Also see "Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility", OG Notices: 22 November 2005. It is clear from claims 8-10 that the claims merely involve calculations and manipulations of data in performing computations. The claimed invention does not result in a physical transformation. The inputs are numbers

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and the outputs are also numbers. The result of the invention is merely numerical values without a practical application recited in the claims. It is not real world result, and thus is not useful, concrete and tangible. Therefore, the claimed invention is directed to non-statutory subject matter as the claims fail to assert a practical application to the invention.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-8, 10-23 are rejected under 35 U.S.C. 102(e) as being anticipated by DiStefano, III (6771291).

Re claim 1, DiStefano, III discloses a system for generating a user interface for a web application program, the system comprising:

a repository (in 190 or 170 for example) of reusable screen components including graphical user interface (GUI) components (figure 2 shows GUI components used for example);

means for enabling a user to create a web page layout by (method of designing, see abstract for example):

selecting GUI components from the repository (see column 5 lines 12-14, lines 37-38 for example),

arranging the selected GUI components within the web page (see column 6 lines 3-7, lines 26-27 for example),

defining interaction between at least two of the selected GUI components, the interaction including causing a first GUI component to perform an action in response to an event generated by a second GUI component (selecting a web assets color and sound, see column 7 lines 25-34 for example), and

defining interaction between one or more of the GUI components and the web application program, the interaction involving business data and one or more backend systems (see column 11 lines 40-43, column 12 lines 35-38 for example); and

means for storing rendering information of the web page layout to enable a web server to render the web page ("GUI is stored", see column 5 line 2 for example).

Re claim 2, DiStefano, III discloses a system, wherein the repository of reusable screen components includes at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a selection-box component, a table-view component, a table-view-for-time-series component, and a chart component (color palette 640 for example).

Re claim 3, DiStefano, III discloses a system, wherein the means for storing rendering information include means for storing at least one of layout settings of the selected components, properties of the selected components, and the handling of data

represented by the selected components (see column 2 lines 35-40, column 4 lines 42-44 and column 5 line 2 for example).

Re claim 4, DiStefano, III discloses a system, wherein the means for storing rendering information includes data storage means for storing variables defining the web page layout (see column 2 lines 35-40, column 4 lines 42-44 and column 5 line 2 for example).

Re claim 5, DiStefano, III discloses a system, further comprising means for retrieving the stored rendering information and generating hypertext mark-up language (HTML) code using the rendering information (see column 5 lines 50-55 for example).

Re claim 6, DiStefano, III discloses a system, wherein the means for storing rendering information includes data storage means for storing variables describing event handlers assigned to the reusable components (see column 2 lines 35-40, column 4 lines 42-44 and column 5 line 2, column 18 lines 50-63 for example).

Re claim 7, DiStefano, III discloses a system, wherein the means for storing rendering information includes data storage means for storing variables describing an application model assignment of the data presented by the reusable components (see column 2 lines 35-40, column 4 lines 42-44 and column 5 line 2, column 18 lines 60-66 for example).

Re claim 8, DiStefano, III discloses a system for generating a user interface for a web application program, the system comprising:

a first set of database tables (see paragraph 0010) to define screens including tables that describe graphical user interface (GUI) screen components, screen layout, component configuration, application model assignment, and event handling;

a first set of transactions for administrating the first set of database tables; and
means for generating the web pages by accessing the first set of database tables using the first set of transactions, wherein accessing the first set of database tables includes accessing information relating to at least one of the GUI screen components and event handling(see paragraph 0010 for example); and

a second set of database tables based upon the first set of database tables, the second set of database tables being used for customization and personalization of the user interface (see items 170 or 190, figure 2, and abstract, column 6 lines 3-7, lines 26-27, column 5 lines 12-14, line 37-38, column 7 lines 25-34 for example).

Re claim 10, DiStefano, III discloses a system, wherein the first set of database tables that describe GUI screen components include at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a selection-box component, a table-view component, a table-view-for-time-series component, and a chart component (640 for example).

Re claim 11, DiStefano, III discloses a method for generating a user interface for a web application program, the method comprising:

selecting graphical user interface (GUI) components from a repository of reusable screen components (images 121 and story files 123 for example) (retrieves story information from database, see paragraph 0051 for example);

arranging the selected GUI components to create a web page layout(produces a set of published news Web pages see paragraph 0051 for example),;

defining interaction between at least two of the selected GUI components, the interaction including causing a first GUI component to perform an action in response to an event generated by a second GUI component (see paragraph 0083 for example);

defining interaction between one or more of the GUI components and the web application program, the interaction involving business data and one or more backend systems(see paragraph 0081, 0083 and 0089 for example); and

storing (database 400 for example) rendering information of the web page layout to enable rendering of the web page by a web server (see items 170,190, figure 2, abstract, column 7 lines 25-34 for example).

Re claim 12, DiStefano, III discloses a method, wherein the repository of reusable screen components includes at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a selection-box component, a table-view component, a table-view-for-time-series component, and a chart component (640 for example).

Re claim 13, DiStefano, III discloses a method, wherein storing the rendering information comprises at least one of storing layout settings of the selected GUI components, storing properties of the selected GUI components, and storing information about the handling of data represented by the selected GUI components(see column 2 lines 35-40, column 4 lines 42-44 and column 5 line2 for example).

Re claim 14, DiStefano, III discloses a method, wherein storing rendering information comprises storing variables defining the web page layout (see column 2 lines 35-40, column 4 lines 42-44 and column 5 line 2 for example).

Re claim 15, DiStefano, III discloses a method, further comprising retrieving the stored rendering information and generating hypertext mark-up language (HTML) code using the rendering information (see column 5 lines 50-55 for example).

Re claim 16, DiStefano, III discloses a method, wherein storing rendering information comprises storing variables defining event handlers assigned to the reusable components (see column 2 lines 35-40, column 4 lines 42-44 and column 5 line 2, column 18 lines 60-63 for example).

Re claim 17, DiStefano, III discloses a method wherein storing rendering information comprises storing variables defining an application model assignment of the data presented by the reusable components (see column 2 lines 35-40, column 4 lines 42-44 and column 5 line 2, column 18 lines 60-66 for example).

Re claim 18, DiStefano, III discloses a computer program product comprising program code means stored on a computer readable medium for performing a method according to any one of the claims 11 to 17 when the program is run on a computer (see abstract for example).

Re claim 19, DiStefano, III discloses a computer readable medium that stores executable instructions causing a computer system to provide:

a repository of reusable screen components including graphical user interface (GUI) components ;

means for enabling a user to create a web page layout by:
selecting GUI components from the repository,
arranging the selected GUI components within the web page,
defining interaction between at least two of the selected GUI components, the
interaction including causing a first GUI component to perform an action in response to
an event generated by a second GUI component, and

defining interaction between one or more of the GUI components and the web
application program, the interaction involving business data and one or more backend
systems; and

means for storing rendering information of the web page layout to enable the
web server to render of the web page (see items 170 or 190, figure 2, abstract, column
5 lines 2 and lines 12-14, lines 37-38, column 6 lines 3-7, lines 26-27, column 7 lines
25-34, column 11 lines 40-43, column 12 lines 35-38 for example).

Re claim 20, DiStefano, III discloses a computer readable medium, further
comprising instructions operable to cause the computer system to have the repository of
reusable screen components include at least one of a tray component, a tab-strip
component, a tool-bar component, a text area component, a form-box component, a
selection-box component, a table-view component, a table-view-for-time-series
component, and a chart component (640 for example).

Re claim 21, DiStefano, III discloses a computer readable medium, further
comprising instructions operable to cause the computer system to provide means for
storing the rendering information, including means for storing at least one of layout

settings of the selected GUI components, properties of the selected GUI components, and the handling of data represented by the selected GUI components ("GUI is stored" column 5 line 2 and abstract for example).

Re claim 22, DiStefano, III discloses a computer readable medium, further comprising instructions operable to cause the computer system to provide data storage means for storing variables defining the web page layout ("GUI is stored" column 5 line 2 and abstract for example).

Re claim 23, DiStefano, III discloses a computer readable medium, further comprising instructions operable to cause the computer system to provide means for retrieving the stored rendering information and generating hypertext mark-up language (HTML) code using the rendering information ("GUI is stored" column 5 line 2 and abstract, and column 5 lines 50-55 for example)).

Response to Arguments

5. Applicant's arguments with respect to claims 1-8 and 10-23 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jinhee J. Lee whose telephone number is 571-272-1977. The examiner can normally be reached on M-F at 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on 571-272-2100 ext. 74. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jinhee J Lee
Primary Examiner
Art Unit 2174

A handwritten signature in black ink, appearing to be 'Jinhee J Lee', written over the printed name and title.

jji